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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,924	02/27/2004	Craig S. Kickel	303.851US1	8884

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EXAMINER

LUDWIG, MATTHEW J

ART UNIT	PAPER NUMBER
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2178

MAIL DATE	DELIVERY MODE
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01/08/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/789,924

Applicant(s)

KICKEL, CRAIG S.

Examiner

Matthew J. Ludwig

Art Unit

2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 October 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 6-9, 11-37, 39-42 and 44-56 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 6-9, 11-37, 39-42 and 44-56 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This office action is in response to the amendment received 10/16/07.
2. Claims 1-4, 6-9, 11-37, 39-42, and 44-56 are pending in the application.
3. Claims 1-4, 6-9, and 11-15 rejected under 35 U.S.C. 103(a) as being unpatentable over Periwal have been withdrawn pursuant to applicant's amendment. Furthermore, claims 16-42 and 44-56 rejected under 35 U.S.C. 103(a) as being unpatentable over Periwal in view of Fuller have been withdrawn pursuant to applicant's amendment.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. **Claims 1-4, 6-9, 11-37, 39-42, and 44-56 are rejected under 35 U.S.C. 102(e) as being anticipated by Rust et al., Pat. Pub. US 2005/0131920 filed (10/15/04).**

In reference to independent claim 1, Rust teaches:

'reading metadata for a database, the metadata including a constraint definition for at least one column of the database' (See page 2, 0012 through 0014). The reference discloses metadata and more specifically, received data may be mapped by generating a representational constraint set and generating a conditional constraint set.

'translating the metadata into a first page description language code, the first page description language code including a translation in accordance with the constraint definition' (See page 3, 0032 –through 0037). The reference provides a translation tool which is used in tandem with the constraint set formed with the metadata.

'outputting the first page description language code and integrating the first page description language code with a second page description language code; and generating a page based application based on the first and second page description language code' (See page 11, 0162 through 0164). The reference provides relational schema transformed using XSLT. Furthermore, the reference provides APIs and various languages for outputting the metadata based upon the transformations and constraint definitions.

In reference to dependent claim 2, Rust teaches:

In response to receiving a schema represented in its native syntax, the semantic portion of the received schema is distinguished. The schema may be, for example, an XML message schema, a relational schema, or an ObjectOriented Class model. See page 1, 0011 through 0014.

In reference to dependent claims 3 and 4, Rust teaches:

The ontology includes ontology terms that may include an agent term signifying an entity that performs an action relating to the data, a time term signifying temporal parameters of the data, a place term signifying spatial parameters of the data. See page 2, 0014 through 0016.

In reference to dependent claim 6, Rust teaches:

In response to receiving a schema represented in its native syntax, the semantic portion of the received schema is distinguished. The schema may be, for example, an XML message schema, a relational schema, or an ObjectOriented Class model. See page 1, 0011 through 0014.

In reference to dependent claim 7, Rust teaches:

In some embodiments, the application may include an application program interface within the invention. See page 12, 0172 through 0173.

In reference to dependent claim 8, Rust teaches:

Although XSLT performs transformations that move an element from one place to another and may change its representation and encoding, it does nothing to its meaning. See page 1, 0004 through 0005.

In reference to dependent claim 9 and 11, Rust teaches:

A constraint rule set or an ontological rule set is generally a set of statements and/or rules expressing logical and/or linguistic constraints on the meaning or representation of a term. See page 2, 0012 through 0014.

In reference to dependent claim 12, Rust teaches:

A constraint rule set or an ontological rule set is generally a set of statements and/or rules expressing logical and/or linguistic constraints on the meaning or representation of a term. See page 2, 0012 through 0014.

In reference to dependent claim 13 and 14, Rust teaches:

Figure 5 illustrates a flowchart which includes schema represented in an external syntax (e.g. a relational schema, an XML message, an Objectoriented class model, etc. See Rust, figure 5.

In reference to dependent claim 15-18, Rust teaches:

The reference includes various languages (HTML, DHTML, XML, JSP, ASP, Cold Fusion for representing multiple data schemas and transferring data between different data schemas within a contextual ontology. See page 12, 0172 through 0173.

In reference to claims 19-56, the claims recite similar limitations to those for carrying out the reading of metadata found in 1-18. Therefore, the claims are rejected under similar rationale.

Response to Arguments

6. Applicant's arguments with respect to claims 1-4, 6-9, 11-37, 39-42, and 44-56 have been considered but are moot in view of the new ground(s) of rejection.

Applicant amended the independent claims and thus changed the scope of the claims when read as a whole. Regarding independent claim 1, applicant added language such as 'outputting the first page description language code and integrating the first page description language code with a second' page description language code; and generating a page based application based on the first and second page description language code'. It is because of the above-mentioned amendments that the Examiner has withdrawn the prior art reference and replaced the reference with a newly found reference.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew J. Ludwig whose telephone number is 571-272-4127. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the
automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ML



STEPHEN HONG
SUPERVISORY PATENT EXAMINER